

Patent Abstracts of Japan

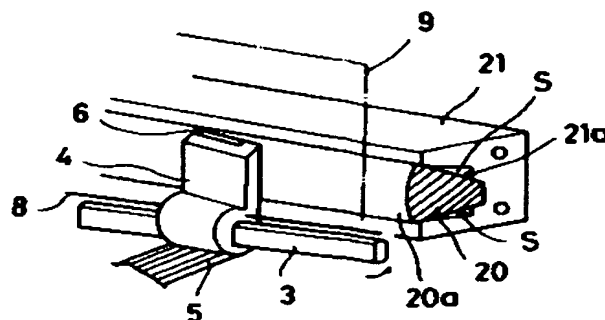
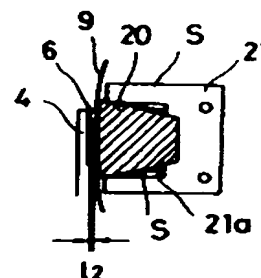
PUBLICATION NUMBER : 60011377  
 PUBLICATION DATE : 21-01-85  
 APPLICATION DATE : 01-07-83  
 APPLICATION NUMBER : 58118172

APPLICANT : CANON INC;

INVENTOR : UCHIKATA YOSHIRO;

INT.CL. : B41J 11/02

TITLE : PLATEN



ABSTRACT : PURPOSE: To perform high quality printing while preventing the generation of a broken character by constituting the titled platen of rubber with elastic hardness of 16-60° so as to bring the surface in its printing front surface side into flat contact with a thermal head by slight pressing in a printing direction.

CONSTITUTION: During printing, a thermal head 6 is brought into contact with a platen 20 under pressure vertically in a diameter direction to the center of said platen 20 around its center, that is, the center of thermal elements 7a-7g. The surface of said head 6 at the pressure contact part is elastically deformed to a flat surface shape by this pressure contact force and the thermal head 6 is uniformly contacted with the platen 20 through printing paper 9 without forming a gap therebetween. Therefore, a broken character is not generated during printing. In this case, because the surface 20a of the platen 20 is a curved surface near to a flat surface, the dimension of elastic deformation for obtaining a flat surface is made smaller than a conventional dimension and pressure contact force is also made small. In addition, because a space S is present, the platen 20 is easy to elastically deform.

COPYRIGHT: (C)1985,JPO&Japio

BEST AVAILABLE COPY